

X1 Trip Report pertaining to PAR 222, dated 14 September 1964
is in the General File.

Declass Review by NGA.

D R A F T

MEMORANDUM FOR THE RECORD

X1 SUBJECT: [] PAR 203, 209, and 222

X1 On 11 June, I visited [] for the purpose of monitoring
PAR's 203, 209 and 222 under Contract [] 25X

PAR 203 - Rapid Access Printer

X1 [] will soon start Phase I, which will be a study of commercially available
continuous-tone diazo and plastic resin reproduction systems which produce
a positive, Specific materials^{be} that are known and will be included are [] 25X
X1 Film, [] Unit Gamma Film, and [] K-Tone Film. I informed [] that the 25X
X1 [] now has a new continuous-tone high resolution diazo
reproduction system capable of 200 l/mm. This material will be added to the list
for investigation.

PAR 209 - Variable Contrast Phosphor Viewer

This device was delivered to P&DS several months ago for evaluation,
and was demonstrated to a number of analysts in PID. These analysts found
that there was virtually no enhancement observed with the device in its
present configuration.

X1 [] and I briefly discussed the possibility of investigating other
phosphors for this device. The ultra violet output can probably be increased
and the backlighting changed to as to allow full extinction. It was
emphasized that a format size that would permit use of a microscope would be
adequate.

X1 If the decision is made to pursue this means of enhancement, I recommend

that a new PAR be submitted by

PAR 222 - Stereo Image Registration

The mechanical-optical breadboard is being assembled and plans to have this complete by July 15. A preliminary signal study has been completed in which an optical in-line breadboard was used for evaluation. Spot size was studied by scanning across a grid pattern and the minimum spot used was close to 0.002 inch projected on the film. It was attained with only a very low intensity beam.

On the breadboard, a single CRT will generate the scan trace so as to eliminate the problem of balancing two traces. Film will be held between glass plates, one which is fixed and the other mounted in a "Leitz" mechanical stage, which has 2 x 2 inch coordinates and 360 degree rotation. Micrometers adjust the x and y axis to 0.0001 inch and rotation can be read to one minute.



23 June 1964

MEMORANDUM FOR THE RECORD

See the Trip Report covering the period 8 - 11 June 1964 for comments concerning this project.

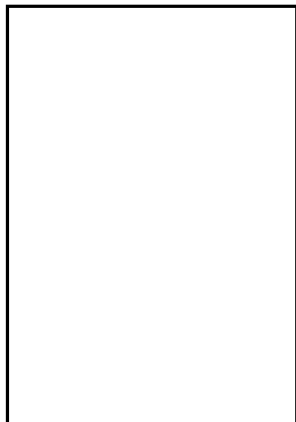
[redacted]
Admin. Monitor, Contract [redacted]
Development Branch, P&DS

25X1
25X1

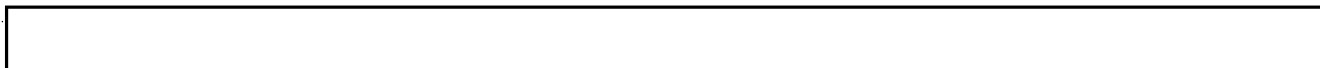
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ATTN:



THE FOLLOWING PERSONNEL WILL BE AT ON THE DATES INDICATED TO

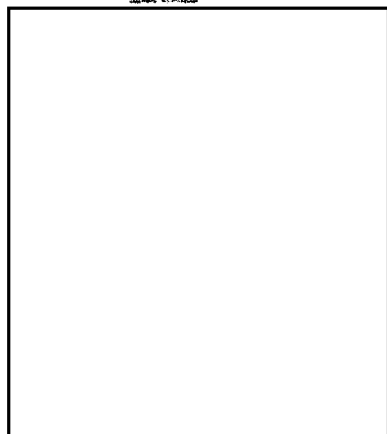
25X

DISCUSS THE CONTRACT PART LISTED AFTER THEIR NAME:

NAME

NAME

DATES



202, 206, 207, 213, 214, 215, 224

8, 9 JUN

212, 215, 217

10, 11 JUN

222

11 JUN

225, 226

11 JUN

211

11 JUN

ADMINISTRATIVE MATTERS

9, 10, 11 JUN

END OF MESSAGE

SECRET

